Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 12 - 3 - 18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB M200-10.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. I. By Manual Means: A. In area of light jungle. MORTH Specification No. 201. (BCSR 2016-2017, Page 136, Item No 18.13)							
	Play area - 1		1	39.00	70.00		2730.00	
	Play area - 2		1	30.00	50.00		1500.00	
	Road east		1	27.00	1.60		43.20	
	Road north		1	66.00	2.65		174.90	
							4448.10	**Sqm**
						Present Qty	**0.44**	**Ha**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 25-5-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301.							
	Unserviceable soil							
	Play area - 1		1	35.00	70.00	0.20	490.00	
	Play area - 2		1	30.00	50.00	0.20	300.00	
	For chainlink fencing & foundation							
	West		1	30.00	1.00	0.70	21.00	
			1	22.25	1.00	0.70	15.58	
			10	0.80	0.80	0.80	5.12	
	North		1	30.00	1.00	0.70	21.00	
			1	30.00	1.00	0.70	21.00	
			1	9.10	1.00	0.70	6.37	
	East		1	30.00	1.00	0.70	21.00	
			1	9.30	1.00	0.70	6.51	
	Play area - 2		1	26.50	1.00	0.70	18.55	
	For Gym Equipments		12	0.80	0.80	0.60	4.61	
						Present Qty	**930.73**	**Cum**
						Limitted to	**894.26**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 28-5-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)							
	For Cobble Stone							
	West		1	25.50	2.10	0.20	10.71	
	North		1	30.00	2.10	0.20	12.60	
			1	30.00	2.10	0.20	12.60	
			1	4.30	2.10	0.20	1.81	
	East		1	30.00	2.10	0.20	12.60	
			1	3.50	2.10	0.20	1.47	
	South		1	30.00	2.10	0.20	12.60	
			1	29.40	2.10	0.20	12.35	
	Gate entrance		1	3.40	2.00	0.25	1.70	
	Center		1	27.40	2.20	0.25	15.07	
	Between play area		1	24.00	2.00	0.20	9.60	
	Surround benches		7	2.00	2.00	0.20	5.60	
						Present Qty	**108.70**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 05-05-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of							
	For chainlink fencing & foundation							
	West		1	30.00	0.90	0.15	4.05	
			1	22.25	0.90	0.15	3.00	
			10	0.80	0.80	0.15	0.96	
	North		1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
			1	9.10	0.90	0.15	1.23	
	East		1	30.00	0.90	0.15	4.05	
			1	9.30	0.90	0.15	1.26	
	Gym Platform		1	9.00	11.90	0.15	16.07	
	For Gym Equipments		12	0.80	0.80	0.15	1.15	
	For Kerb Stone							
	West		1	28.60	0.20	0.15	0.86	
			1	23.70	0.20	0.15	0.71	
	North		1	30.00	0.20	0.15	0.90	
			1	30.00	0.20	0.15	0.90	
			1	4.30	0.20	0.15	0.13	
			1	30.00	0.20	0.15	0.90	
			1	29.20	0.20	0.15	0.88	
	East		1	30.00	0.20	0.15	0.90	
			1	2.20	0.20	0.15	0.07	
			1	30.00	0.20	0.15	0.90	
			1	0.90	0.20	0.15	0.03	
	South		1	30.00	0.20	0.15	0.90	
			1	30.00	0.20	0.15	0.90	
			1	30.00	0.20	0.15	0.90	
			1	6.60	0.20	0.15	0.20	
			1	24.00	0.20	0.15	0.72	
	Gym platform edges		1	9.10	0.20	0.15	0.27	
			1	12.00	0.20	0.15	0.36	
			1	8.90	0.20	0.15	0.27	
			1	11.80	0.20	0.15	0.35	
	Surround benches		6	3.60	0.20	0.15	0.65	
			21	5.40	0.20	0.15	3.40	
	Steps		1	3.50	2.40	0.15	1.26	
	Play area - 2		1	26.50	0.90	0.15	3.58	
	Multiplay station		4	0.80	0.80	0.15	0.38	
			4	0.80	0.80	0.15	0.38	
						Present Qty	**61.56**	**Cum**
						Limitted to	**60.54**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 04-6-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, (BCSR 2016-2017, Page 13, Item No 4.11)							
	Multiplay station		4	0.80	0.80	0.60	1.54	
			4	0.80	0.80	0.60	1.54	
	For Gym Equipments		12	0.65	0.65	0.60	3.04	
	For chainlink							
	North		10	0.50	0.50	1.20	3.00	
						Present Qty	**9.11**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05								
Date of Measurement : 11 - 6 - 18								
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification (BCSR 2016-2017, Page 109, Item No							
	For Gym Platform		1	9.00	11.90		107.10	
						Present Qty	**107.10**	**Sqm**
						Limitted to	**91.93**	**Sqm**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 14-6-17

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. (BCSR 2016-2017 Page 101 Item No 14.6)							
	For Cobble Stone							
	West		1	25.50	2.00		51.00	
	North		1	30.00	2.00		60.00	
			1	30.00	2.00		60.00	
			1	4.30	2.00		8.60	
	East		1	30.00	2.00		60.00	
			1	3.50	2.00		7.00	
	South		1	30.00	2.00		60.00	
			1	29.40	2.00		58.80	
	Gate entrance		1	3.40	2.00		6.80	
	Center		1	27.40	2.10		57.54	
	Between play area		1	24.00	2.00		48.00	
	Surround benches		7	2.00	2.00		28.00	
						Present Qty	**505.74**	**Sqm**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 14-6-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (BCSR 2016-2017, Page 182, Item No 24.1)							
	For Kerb Stone							
	West		1	28.50			28.50	
			1	23.60			23.60	
			1	28.00			28.00	
	North		1	30.00			30.00	
			1	30.00			30.00	
			1	4.20			4.20	
			1	30.00			30.00	
			1	29.00			29.00	
	East		1	30.00			30.00	
			1	2.10			2.10	
			1	30.00			30.00	
			1	0.90			0.90	
	South		1	30.00			30.00	
			1	30.00			30.00	
			1	30.00			30.00	
			1	6.60			6.60	
			1	24.00			24.00	
	Center		2	27.20			54.40	
	Between play area		1	24.00			24.00	
	Gym platform edges		1	9.00			9.00	
			1	12.00			12.00	
	Children play		1	15.00			15.00	
	Entrance		2	1.70			3.40	
	Surround benches		6	1.70			10.20	
			12	1.60			19.20	
							534.10	m
						Present Qty	**1187.00**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 14-6-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (BCSR 2016-2017, Page 182, Item No 24.1)							
	For Kerb Stone							
	West		1	28.50		0.35	9.98	
			1	23.60		0.35	8.26	
			1	28.00		0.35	9.80	
	North		1	30.00		0.35	10.50	
			1	30.00		0.35	10.50	
			1	4.20		0.35	1.47	
			1	30.00		0.35	10.50	
			1	29.00		0.35	10.15	
	East		1	30.00		0.35	10.50	
			1	2.10		0.35	0.74	
			1	30.00		0.35	10.50	
			1	0.90		0.35	0.32	
	South		1	30.00		0.35	10.50	
			1	30.00		0.35	10.50	
			1	30.00		0.35	10.50	
			1	6.60		0.35	2.31	
			1	24.00		0.35	8.40	
	Center		2	27.20		0.35	19.04	
	Between play area		1	24.00		0.35	8.40	
	Gym platform edges		1	9.00		0.35	3.15	
			1	12.00		0.35	4.20	
	Children play		1	15.00		0.35	5.25	
	Entrance		2	1.70		0.35	1.19	
	Surround benches		6	1.70		0.35	3.57	
			12	1.60		0.35	6.72	
						Present Qty	**186.94**	**Sqm**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division.
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 09-04-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
10	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1 : 6 stone hammerd dressed in courses not less than 20 ems high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (BCSR 2016-2017, Page 23, Item No 5.5)							
	For chainlink fencing & foundation							
	West		1	30.00	0.75	1.20	27.00	
			1	22.25	0.75	1.20	20.03	
	North		1	10.30	0.75	1.40	10.82	
			1	15.10	0.75	1.20	13.59	
			1	20.90	0.75	1.00	15.68	
			1	22.80	0.75	0.80	13.68	
	East		1	6.30	0.75	0.60	2.84	
			1	30.00	0.75	0.60	13.50	
			1	3.90	0.75	0.60	1.76	
	Play area - 2		1	26.50	0.75	0.80	15.90	
	Steps		1	3.50	2.40	0.20	1.68	
			1	3.50	2.00	0.20	1.40	
			1	3.50	1.60	0.20	1.12	
			1	3.50	1.20	0.20	0.84	
						Present Qty	**139.82**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 13-4-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
11	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (BCSR 2016-2017, Page 23, Item No 5.12)							
	For chainlink fencing							
	West		1	30.00	0.60	0.40	7.20	
			1	22.25	0.60	0.40	5.34	
			1	30.00	0.75	0.40	9.00	
			1	30.00	0.60	0.40	7.20	
	North		1	10.30	0.60	0.80	4.94	
			1	15.10	0.60	0.60	5.44	
			1	20.90	0.60	0.60	7.45	
			1	22.80	0.60	0.60	8.21	
	East		1	2.90	0.60	0.40	0.70	
			1	30.00	0.60	0.40	7.20	
			1	3.90	0.60	0.40	0.94	
	Play area - 2		1	26.50	0.60	0.60	9.54	
	Angle fixing		-58	0.60	0.60	0.40	-8.35	
						Present Qty	**64.80**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 19-4-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
12	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (BCSR 2016-2017, Page 113, Item No 15.1)							
	For chainlink fencing & foundation							
	West		1	30.00		0.80	24.00	
			1	22.25		0.80	17.80	
			1	30.00		0.40	12.00	
	North		1	10.30		1.60	16.48	
			1	15.10		1.20	18.12	
			1	20.90		0.80	16.72	
			1	21.80		0.70	15.26	
	East		2	2.90		0.40	2.32	
			2	30.00		0.40	24.00	
			2	3.90		0.40	3.12	
	Play area - 2		1	26.50		0.80	21.20	
						Present Qty	**171.02**	**Sqm**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 02-04-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
13	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (BCSR 2016-2017, Page 148, Item No 19.60)							
	Unserviceable soil							
	Play area - 1		1	35.00	70.00	0.50	1225.00	
	Play area - 2		1	30.00	50.65	0.75	1139.63	
						Present Qty	**2364.63**	**Cum**

Checked.
2/4/18

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 02-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
14	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item							
	For chainlink fencing							
	West		1	30.00	0.60	0.10	1.80	
			1	22.25	0.60	0.10	1.34	
	North		1	10.30	0.60	0.10	0.62	
			1	15.10	0.60	0.10	0.91	
			1	20.90	0.60	0.10	1.25	
			1	21.80	0.60	0.10	1.31	
	East		1	6.30	0.60	0.10	0.38	
			1	30.00	0.60	0.10	1.80	
			1	3.90	0.60	0.10	0.23	
	Angle fixing		58	0.60	0.60	0.40	8.35	
	Play area - 2		1	26.50	0.60	0.10	1.59	
	Steps		1	3.50	1.10	0.10	0.39	
			3	3.50	0.40	0.10	0.42	
						Present Qty	**20.38**	**Cum**
						Limitted to	**20.06**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 02-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
15	KSRRB M2200-8.1. Back filling behind abutment, wing wall and return wall complete as per drawing and Technical Specification complete as per specifications. A. Granular material MORTH Specification No. 2204 (BCSR 2016-2017, Page 225, Item No 28.11)							
	For chainlink fencing							
	West		1	30.00	0.60	0.20	3.60	
			1	22.25	0.60	0.20	2.67	
	North		1	30.00	0.60	0.20	3.60	
			1	10.30	0.60	0.20	1.24	
			1	15.10	0.60	0.20	1.81	
			1	20.90	0.60	0.20	2.51	
	East		1	22.80	0.60	0.20	2.74	
			1	2.90	0.60	0.20	0.35	
			1	30.00	0.60	0.20	3.60	
	Play area - 2		1	3.90	0.60	0.20	0.47	
			1	26.50	0.60	0.20	3.18	
						Present Qty	**25.76**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore